

Library

**CLASSIFICATION AND CORRELATION
OF
THE SOILS OF**

**JACKSON COUNTY
INDIANA**

MARCH 1985

LOCATION



**U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MIDWEST NATIONAL TECHNICAL CENTER
LINCOLN, NEBRASKA**

Corrections for Amendment No. 1 added

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest National Technical Center
Lincoln, Nebraska 68508-3866

Classification and Correlation
of the Soils of
Jackson County, Indiana

The final correlation was prepared in the MNTC, Lincoln, Nebraska, by Paul R. Johnson, soil correlator. The draft of the manuscript, soil correlation samples, laboratory data, soils maps, and SCS-SOILS-5 forms were available for review. Mr. Johnson also participated in the comprehensive field review on October 3-7, 1983.

Headnote for Detailed Soil Survey Legend:

Map symbols consist of a combination of letters or of letters and numbers. The first capital letter is the initial one of the map unit name. The lowercase letter that follows separates map units having names that begin with the same letter, except that it does not separate sloping or eroded phases. The second capital letter indicates the class of slope. Symbols without a slope letter are for nearly level soils or miscellaneous areas. A final number 2 indicates that the soil is moderately eroded and a number of 3 indicates that the soil is severely eroded.

SOIL CORRELATION OF
JACKSON COUNTY, INDIANA

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
MtA, PrA	Princeton sandy loam, sandy substratum, 0 to 2 percent slopes	AnA	Alvin sandy loam, 0 to 2 percent slopes
Ar	Armiesburg silty clay loam, sandy substratum, frequently flooded	Ar	Armiesburg silty clay loam, sandy substratum, frequently flooded
AvA	Avonburg silt loam, 0 to 2 percent slopes	AvA	Avonburg silt loam, 0 to 2 percent slopes
AvB2	Avonburg silt loam, 2 to 6 percent slopes, eroded	AvB2	Avonburg silt loam, 2 to 6 percent slopes, eroded
Ay	Ayrshire fine sandy loam, sandy substratum	Ay	Ayrshire fine sandy loam, sandy substratum
Ba	Bartle silt loam	Ba	Bartle silt loam
BeB	Bedford silt loam, 2 to 6 percent slopes	BeB	Bedford silt loam, 2 to 6 percent slopes
BkC	Berks channery silt loam, 25 to 75 percent slopes	BeG	Berks channery silt loam, 25 to 75 percent slopes
Bm	Birds silt loam, frequently flooded	Bf	Birds silt loam, frequently flooded
BnF	Bloomfield fine sand, 15 to 45 percent slopes	ElF	Bloomfield fine sand, 15 to 45 percent slopes
PvC	Bloomfield-Alvin complex, 1 to 6 percent slopes	BmB	Bloomfield-Alvin complex, 1 to 6 percent slopes
PvC2	Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded	BmC2	Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded

JACKSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Az	Bobtown loamy fine sand, 0 to 3 percent slopes	Bn	Bobtown loamy fine sand, 0 to 3 percent slopes
RpD2	Bonnell silt loam, 10 to 18 percent slopes, eroded	BoD2	Bonnell silt loam, 10 to 18 percent slopes, eroded
RpD3	Bonnell silty clay loam, 10 to 18 percent slopes, severely eroded	RpD3	Bonnell silty clay loam, 10 to 18 percent slopes, severely eroded
Bu	Burnside silt loam, occasionally flooded	Bu	Burnside silt loam, occasionally flooded
CcB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded	CcB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded
CcC2	Cincinnati silt loam, 6 to 12 percent slopes, eroded	CcC2	Cincinnati silt loam, 6 to 12 percent slopes, eroded
CcC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded	CcC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded
Cf	Clermont silt loam	Cm	Cobbsfork silt loam
CdD, RaD	Coolville silt loam, 12 to 20 percent slopes	CoD	Coolville silt loam, 12 to 20 percent slopes
EW	Driftwood clay loam, frequently flooded	Df	Driftwood clay loam, frequently flooded
DuA, DxA	Dubois silt loam, 0 to 2 percent slopes	DuA	Dubois silt loam, 0 to 2 percent slopes
DuB2, DxB2	Dubois silt loam, 2 to 6 percent slopes	DuB2	Dubois silt loam, 2 to 6 percent slopes, eroded

JACKSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
FoA	Fox Variant-Ockley Variant sandy loams, 0 to 2 percent slopes	FoA	Fox-Ockley sandy loams, sandy substratum, 0 to 2 percent slopes
CsD2	Frederick-Crider- Gilpin silt loams, 6 to 18 percent slopes, eroded	FrD2	Frederick-Crider- Gilpin silt loams, 6 to 18 percent slopes, eroded
Ge	Genesee silt loam, frequently flooded	Ge	Genesee silt loam, frequently flooded
WfD3	Wellston silty clay loam, 12 to 18 percent slopes, severely eroded	GnD3	Gilpin silt loam, 12 to 18 percent slopes, severely eroded
GnF	Gilpin silt loam, 25 to 55 percent slopes	GnF	Gilpin silt loam, 25 to 55 percent slopes
GpD	Gilpin-Wellston silt loams, 10 to 25 percent slopes	GpD	Gilpin-Wellston silt loams, 10 to 25 percent slopes
HdA, HfA	Haubstadt silt loam, 0 to 2 percent slopes	HdA	Haubstadt silt loam, 0 to 2 percent slopes
HdB2, HfB2, OtB2	Haubstadt silt loam, 2 to 6 percent slopes, eroded	HdB2	Haubstadt silt loam, 2 to 6 percent slopes, eroded
Hm	Haymond silt loam, frequently flooded	Hm	Haymond silt loam, frequently flooded
HrF	Hickory silt loam, 15 to 45 percent slopes	HrF	Hickory loam, 15 to 45 percent slopes
KtF, PcF	Kurtz silt loam, 20 to 55 percent slopes	KtF	Kurtz silt loam, 20 to 55 percent slopes
Ly	Lyles fine sandy loam	Ly	Lyles fine sandy loam

JACKSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
MkB2	Markland silt loam, 1 to 5 percent slopes, eroded	MkB2	Markland silt loam, 1 to 5 percent slopes, eroded
MmC3	Markland silty clay loam, 4 to 12 percent slopes, severely eroded	MmC3	Markland silty clay loam, 4 to 12 percent slopes, severely eroded
MyA	McGary silty clay loam, 0 to 2 percent slopes	MrA	McGary silty clay loam, 0 to 2 percent slopes
PcB2	Medora silt loam, 2 to 6 percent slopes, eroded	MtB2	Medora silt loam, 2 to 6 percent slopes, eroded
PcC2	Medora silt loam, 6 to 12 percent slopes, eroded	MtC2	Medora silt loam, 6 to 12 percent slopes, eroded
NeD2	Negley silt loam, 12 to 18 percent slopes, eroded	NeD2	Negley silt loam, 12 to 18 percent slopes, eroded
NeE	Negley loam, 18 to 35 percent slopes	NgE	Negley loam, 18 to 35 percent slopes
KbA, PtA	Princeton sandy loam, sandy substratum, occasionally flooded, 0 to 2 percent slopes	NnA	Nineveh Variant sandy loam, occasionally flooded, 0 to 2 percent slopes
OtC2, OxC2, HfC2, HdC2	Otwell silt loam, 6 to 12 percent slopes, eroded	OtC2	Otwell silt loam, 6 to 12 percent slopes, eroded
OtC3, OxC3	Otwell silt loam, 6 to 12 percent slopes, severely eroded	OtC3	Otwell silt loam, 6 to 12 percent slopes, severely eroded
PaB2	Parke silt loam, 2 to 6 percent slopes, eroded	PaB2	Parke silt loam, 2 to 6 percent slopes, eroded

JACKSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
PaC2	Parke silt loam, 6 to 12 percent slopes, eroded	PaC2	Parke silt loam, 6 to 12 percent slopes, eroded
PeB2	Pekin silt loam, 2 to 6 percent slopes, eroded	PeB2	Pekin silt loam, 2 to 6 percent slopes, eroded
Pg, Ph	Peoga silt loam	Pg	Peoga silt loam
Bs	Picopolis silty clay loam, frequently flooded	Pp	Picopolis silty clay loam, frequently flooded
CdC3	Coolville silt loam, 6 to 12 percent slopes, severely eroded	RaC3	Rarden silt loam, 6 to 12 percent slopes, severely eroded
CdD3	Coolville silty clay loam, 12 to 20 percent slopes, severely eroded	RdD3	Rarden silty clay loam, 12 to 20 percent slopes, severely eroded
KcA	Roby Variant sandy loam, 0 to 2 percent slopes, rarely flooded	RoA	Roby Variant sandy loam, rarely flooded, 0 to 2 percent slopes
RsA	Rossmoyne silt loam, 0 to 2 percent slopes	RsA	Rossmoyne silt loam, 0 to 2 percent slopes
RsB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded	RsB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded
Ru	Ruark Variant sandy loam, occasionally flooded	Ru	Ruark Variant sandy loam, occasionally flooded
Sc	Shoals loam, frequently flooded	Sc	Shoals loam, frequently flooded
Sf	Steff silt loam, frequently flooded	Sf	Steff silt loam, frequently flooded

JACKSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Sg	Steff silt loam, rarely flooded	Sg	Steff silt loam, rarely flooded
Sn	Stendal silt loam, frequently flooded	Sn	Stendal silt loam, frequently flooded
Sp	Stendal silt loam, rarely flooded	Sp	Stendal silt loam, rarely flooded
CmC2, RaC2	Stonehead silt loam, 4 to 12 percent slopes, eroded	SsC2	Stonehead silt loam, 4 to 12 percent slopes, eroded
St	Stonelick fine sandy loam, frequently flooded	St	Stonelick fine sandy loam, frequently flooded
SyA	Stoy silt loam, 0 to 2 percent slopes	SyA	Stoy silt loam, 0 to 2 percent slopes
TLB2	Tilsit silt loam, 2 to 6 percent slopes, eroded	TLB2	Tilsit silt loam, 2 to 6 percent slopes, eroded
ZaC2	Tilsit silt loam, 6 to 12 percent slopes, eroded	TLC2	Tilsit silt loam, 6 to 12 percent slopes, eroded
Ud	Udorthents-Aquents complex	Ud	Udorthents-Aquents complex
Wa	Wakeland silt loam, frequently flooded	Wa	Wakeland silt loam, frequently flooded
WeD2	Wellston silt loam, 12 to 18 percent slopes, eroded	WeD2	Wellston silt loam, 12 to 18 percent slopes, eroded
Wh	Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded	Wh	Whitaker sandy loam, rarely flooded
Wk	Whitaker loam, frequently flooded	Wk	Whitaker sandy loam, frequently flooded

JACKSON COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
Wo	Whitaker Variant loam, frequently flooded	Wo	Whitaker Variant loam, frequently flooded
Wr	Wilbur silt loam, frequently flooded	Wr	Wilbur silt loam, frequently flooded
Pc	Wilhite silty clay, frequently flooded	Wt	Wilhite silty clay, frequently flooded
Zo	Zipp silty clay, frequently flooded	Zp	Zipp silty clay, frequently flooded
Sa	Zipp Variant silty clay loam, frequently flooded	Zv	Zipp Variant clay loam, frequently flooded

Series Established by This Correlation:

Bobtown (type location in Jackson County, Indiana)
Driftwood (type location in Jackson County, Indiana)
Kurtz (type location in Jackson County, Indiana)
Medora (type location in Jackson County, Indiana)
Stonehead (type location in Jackson County, Indiana)

Series Dropped or Made Inactive:

None

Certification Statement:

The state soil scientist certifies that:

1. Mapping was completed in August 1983.
2. The general soil map for general planning has been joined to the maps of the completed soil surveys for Bartholomew County, Jennings County, Lawrence County, Monroe County, and Washington County. The completed soil survey of Scott County is separated from Jackson County by the East Fork of the Muscatatuck River. Brown County has been joined pending completion of that soil survey. All lines join across county boundaries. The names of the map units, have some differences because of changes in series concept, design of map units, new series, and proportion of soils within map units. Most associations have at least one series in common, and all join associations that have similar soils. A detailed account of the joins is attached to the report of field correlation and final review.

The detailed maps have been joined and color checked to verify that each delineation is closed. All lines join. Some map units of joining counties were not identified in Jackson County; some map units in Jackson County were not identified in joining counties; some matches differ in surface texture, slope, erosional, or flooding phase; some cut and fill areas have been created since adjoining soil surveys were published; and some complex map units in Jackson County or adjoining counties join consociations of one of the soils named in the complex. A detailed account of the joins is attached to the report of the field correlation and final field review.

3. Interpretations have been checked and the interpretations that will be used are those that are on the SCS-SOILS-5 forms.
4. The location of pedon descriptions are in soil areas using the reference name and legal descriptions.

Verification of Exact Cooperator Names:

For the front cover:

United States Department of Agriculture
Soil Conservation Service
in cooperation with the
United States Department of Agriculture
Forest Service
Purdue University
Agricultural Experiment Station
and
Indiana Department of Natural Resources
Soil and Water Conservation Committee

The citation in the box on the inside of the front cover will read: "This survey was made cooperatively by the Soil Conservation Service, Purdue University Agricultural Experiment Station, Indiana Department of Natural Resources, Soil and Water Conservation Committee, and the United States Department of Agriculture-Forest Service. It is part of the technical assistance furnished to the Jackson County Soil and Water Conservation District. Financial assistance was made available by the Jackson County Board of County Commissioners."

Disposition of Original Field Sheets:

The original atlas field sheets of Jackson County will be retained by the Indiana State Office, and will be used in the map compilation and finishing procedures. Copies have been made for fire protection purposes. The state office at Indianapolis will prepare the atlas sheets for publication by May 1985.

Prior Soil Survey Publications:

None

Instruction for Map Finishing:

The conventional and special symbols used in this survey are listed on the attached SCS-37A. These are the only symbols that will be shown on the published maps. The maps will be finished using the "Guide to Soil Map Finishing," July 1976.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Soil Survey Area: Jackson County
State: IndianaDate: 2-17-84

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY	
BOUNDARIES		MISCELLANEOUS CULTURAL FEATURES		SOIL DELINEATIONS AND SOIL SYMBOLS	
County or parish		Farmstead, house (omit in urban areas)		ESCARPMENTS	
Minor civil division		Church		Other than bedrock (points down slope)	
Reservation (national forest or park, state forest or park, and large airport)		School		SHORT STEEP SLOPE	
Field sheet matchline & nestline		Name High Schools		GULLY	
AD HOC BOUNDARY (label)		WATER FEATURES		RECOMMENDED AD HOC SOIL SYMBOLS	
Small airport, airfield, park, oilfield, cemetery, or flood pool		DRAINAGE		Sanitary landfill area up to 10 acres in size	
STATE COORDINATE TICK		1 890 000 FEET		Muck spot 1 to 3 acres in size	
LAND DIVISION CORNERS (sections and land grants)		LAKES, PONDS AND RESERVOIRS		Soils predominately formed in residuum from limestone 5 to 10 acres in size	
ROADS		Perennial, double line			
Divided (median shown if scale permits)		Perennial, single line			
County, farm or ranch		Intermittent			
ROAD EMBLEMS & DESIGNATIONS		Drainage end			
Interstate		Canals or ditches			
Federal		Drainage and/or irrigation			
State		Perennial			
RAILROAD		Intermittent			
LEVEES		MISCELLANEOUS WATER FEATURES			
Without road		Marsh or swamp			
DAMS		Perennial			
Large (to scale)		Intermittent			
Medium or small		MISCELLANEOUS WATER FEATURES			
PITS		Marsh or swamp			
Mine or quarry		Perennial			
up to 10 acres		Intermittent			

SOIL SURVEY JACKSON COUNTY, INDIANA

PRIME FARMLAND

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name)

Map symbol	Soil name
AnA	Alvin sandy loam, 0 to 2 percent slopes
Ar	Armiesburg silty clay loam, sandy substratum, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
AvA	Avonburg silt loam, 0 to 2 percent slopes (where drained)
AvB2	Avonburg silt loam, 2 to 6 percent slopes, eroded (where drained)
Ay	Ayrshire fine sandy loam, sandy substratum (where drained)
Ba	Bartle silt loam (where drained)
BdB	Bedford silt loam, 2 to 6 percent slopes
Bf	Birds silt loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
BmB	Bloomfield-Alvin complex, 1 to 6 percent slopes
Bn	Bobtown loamy fine sand, 0 to 3 percent slopes
Bu	Burnside silt loam, occasionally flooded
CcB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded
Cm	Cobbsfork silt loam (where drained)
Df	Driftwood clay loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
DuA	Dubois silt loam, 0 to 2 percent slopes (where drained)
DuB2	Dubois silt loam, 2 to 6 percent slopes, eroded (where drained)
FoA	Fox-Ockley sandy loams, sandy substratum, 0 to 2 percent slopes
Ge	Genesee silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
HdA	Haubstadt silt loam, 0 to 2 percent slopes
HdB2	Haubstadt silt loam, 2 to 6 percent slopes, eroded
Hm	Haymond silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
Ly	Lyles fine sandy loam (where drained)

SOIL SURVEY JACKSON COUNTY, INDIANA

PRIME FARMLAND--Continued

Map symbol	Soil name
MkB2	Markland silt loam, 1 to 5 percent slopes, eroded
MrA	McGary silty clay loam, 0 to 2 percent slopes (where drained)
MtB2	Medora silt loam, 2 to 6 percent slopes, eroded
NnA	Nineveh Variant sandy loam, occasionally flooded, 0 to 2 percent slopes
PaB2	Parke silt loam, 2 to 6 percent slopes, eroded
PeB2	Pekin silt loam, 2 to 6 percent slopes, eroded
Pd	Peoga silt loam (where drained)
Pp	Piopolis silty clay loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
RoA	Roby Variant sandy loam, rarely flooded, 0 to 2 percent slopes
RsA	Rossmoyne silt loam, 0 to 2 percent slopes
RsB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded
Ru	Ruark Variant sandy loam, occasionally flooded (where drained)
Sc	Shoals loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
Sf	Steff silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
Sg	Steff silt loam, rarely flooded
Sn	Stendal silt loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
So	Stendal silt loam, rarely flooded (where drained)
St	Stonelick fine sandy loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
SyA	Stoy silt loam, 0 to 2 percent slopes (where drained)
TlB2	Tilsit silt loam, 2 to 6 percent slopes, eroded
Wa	Wakeland silt loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
Wh	Whitaker sandy loam, rarely flooded (where drained)
Wk	Whitaker sandy loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)

SOIL SURVEY JACKSON COUNTY, INDIANA

PRIME FARMLAND--Continued

Map symbol	Soil name
Wo	Whitaker Variant loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
Wr	Wilbur silt loam, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
Wt	Wilhite silty clay, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
Zp	Zippo silty clay, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
Zv	Zippo Variant clay loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)

Approved: March 4, 1985

Rodney F. Harner

RODNEY F. HARNER
Head, Soils Staff
Midwest NTC

CONVERSION LEGEND FOR
JACKSON COUNTY, INDIANA

Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol
Ar	Ar	KbA	NnA	SyA	SyA		
AvA	AvA	KcA	PoA	TlB2	TlB2		
AvB2	AvB2	KtF	KtF	Ud	Ud		
Ay	Ay	Ly	Ly	Wa	Wa		
Az	Bn	MkB2	MkB2	WeD2	WeD2		
Pa	Ba	MmC3	MmC3	WfD3	GnD3		
BeB	BdB	MtA	AnA	Wh	Wh		
BkG	BeG	MyA	MrA	Wk	Wk		
Bm	Bf	NeD2	NeD2	Wo	Wo		
BnF	BLF	NeE	NgE	Wr	Wr		
BoD2	BoD2	OtB2	HdB2	ZaC2	TlC2		
BpD3	BpD3	OtC2	OtC2	Zp	Zp		
Bs	Pp	OtC3	OtC3				
Bu	Bu	OxC2	OtC2				
CcB2	CcB2	OxC3	OtC3				
CcC2	CcC2	PaB2	PaB2				
CcC3	CcC3	PaC2	PaC2				
CdC3	RaC3	PcB2	MtB2				
CdD	CoD	PcC2	MtC2				
CdD3	RdD3	PeB2	PeB2				
Cf	Cm	Pg	Pg				
CmC2	SsC2	Ph	Pg				
CsD2	FrD2	Po	Wt				
DuA	DuA	PrA	AnA				
DuB2	DuB2	PtA	NnA				
DxA	DuA	PvB	BmB				
DxS2	DuB2	PvC2	BmC2				
EW	Df	PaC2	SsC2				
FoA	FoA	RaD	CoD				
Ge	Ge	RcF	KtF				
GnF	GnF	RSA	RSA				
GpD	GpD	Rsb2	Rsb2				
HdA	HdA	Ru	Ru				
HdB2	HdP2	Sa	Zv				
HdC2	OtC2	Sc	Sc				
HfA	HdA	Sf	Sf				
HfB2	HdF2	Sg	Sg				
HfC2	OtC2	Sn	Sm				
Hn	Hm	Sp	So				
HrE	HrE	St	St				

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

1. NSSL data for which Forms SCS-SOILS-8 have been prepared:

<u>Sampled as</u>	<u>Pedon Sample No.</u>	<u>Publication Symbol</u>	<u>Approved Series Name or Classification</u>
Avonburg	S82IN-071-2(1-11)	AvA	Avonburg ^{1/}
Bloomfield	S82IN-071-3(1-6)	BmC2	Bloomfield taxadjunct
Clermont	S82IN-071-1(1-11)	Cm	Cobbsfork ^{1/}

2. Purdue University lab data for which Forms SCS-SOILS-8 have been prepared:

Princeton	S79IN071-2(1-6)	BmB	Alvin taxadjunct; coarse-loamy, mixed, mesic Ultic Hapludalfs ^{1/}
Martinsville	S79IN071-8(1-6)	AnA	Alvin, marginal fine-loamy, but within allowable lab error ^{2/}
Armiesburg	S79IN071-9(1-7)	Ar	Armiesburg ^{1/}
Ayrshire	S79IN071-4(1-7)	Ay	Ayrshire ^{1/}
Bartle	S80IN071-6(1-10)	Ba	Bartle ^{1/}
Bedford	S81IN071-9(1-9)	BdB	Bedford ^{1/}
Berks	S81IN071-2(1-4)	BeG	Berks ^{1/}
Berks	S78IN071-10(1-4)	BeG	Berks taxadjunct
Birds Variant	S78IN071-1(1-7)	Bf	Birds taxadjunct
Birds Variant	S78IN071-2(1-7)	Bf	Birds taxadjunct
Birds Variant	S77IN071-11(1-8)	Bf	Birds taxadjunct
Birds	S77IN071-6(1-5)	Bf	Birds
Bloomfield	S79IN071-1(1-8)	BmC2	Bloomfield, lamellae less than 36 inches and more than 3 inches of lamellae above 40 inches ^{1/}
Ayrshire	S79IN071-6(1-9)	Bn	Bobtown ^{1/}
Bonnell	S80IN071-10(1-9)	BoD2	Bonnell ^{1/}

<u>Sampled as</u>	<u>Pedon Sample No.</u>	<u>Publication Symbol</u>	<u>Approved Series Name or Classification</u>
Burnside	S79IN071-16(1-5)	Bu	Burnside taxadjunct; loamy-skeletal, mixed, nonacid, mesic Typic Udifuvents ^{1/}
Cincinnati	S81IN071-7(1-9)	CcC2	Cincinnati ^{1/}
Rarden Variant	S78IN071-3(1-8)	CoD	Coolville ^{1/}
Ewing	S79IN071-18(1-7)	Df	Driftwood ^{1/}
Dubois	S77IN071-4(1-6)	DuA	Dubois ^{1/}
Dubois	S78IN071-13(1-6)	DuA	Dubois
Fox	S79IN071-17(1-5)	FoA	Fox, sandy substratum ^{1/}
Genesee Variant	S79IN071-21(1-6)	Ge	Genesee taxadjunct, fine-silty, mixed, nonacid, mesic Typic Udifuvents ^{1/}
Gilpin	S79IN071-13(1-6)	GpD	Gilpin ^{1/}
Rockcastle Variant	S80IN071-1(1-6)	GnF	Gilpin
Haubstadt	S77IN071-2(1-7)	HdB2	Haubstadt ^{1/}
Haubstadt	S78IN071-14(1-7)	HdB2	Haubstadt
Haymond	S80IN071-8(1-6)	Hm	Haymond taxadjunct; fine-silty, mixed, nonacid, mesic Typic Udifuvents
Hickory	S81IN071-8(1-9)	HrE	Hickory taxadjunct
Rockcastle Variant	S81IN071-6(1-7)	KtF	Kurtz ^{1/}
Lyles	S79IN071-5(1-8)	Ly	Lyles ^{1/}
Markland	S79IN071-23(1-7)	MkB2	Markland ^{1/}
McGary	S80IN071-3(1-7)	MrA	McGary ^{1/}
Parke Variant	S78IN071-4(1-7)	MtC2	Medora ^{1/}

<u>Sampled as</u>	<u>Pedon Sample No.</u>	<u>Publication Symbol</u>	<u>Approved Series Name or Classification</u>
Negley	S78IN071-7(1-7)	NeD2	Negley ^{1/}
Negley	S78IN071-8(1-7)	NgE	Negley
Ockley	S79IN071-20(1-6)	FoA	Ockley, sandy substratum ^{1/}
Otwell	S79IN071-24(1-5)	OtC2	Otwell ^{1/}
Parke	S78IN071-5(1-6)	PaC2	Parke ^{1/}
Peoga	S77IN071-5(1-6)	Pg	Peoga ^{1/}
Peoga	S78IN071-15(1-9)	Pg	Peoga
Bonnie	S80IN071-12(1-7)	Pp	Piopolis ^{1/}
Kalamazoo Variant	S81IN071-1(1-8)	RoA	Roby Variant; fine-loamy, mixed, mesic Aquic Hapludalfs ^{1/}
Rossmoyne	S80IN071-9(1-8)	RsB2	Rossmoyne ^{1/}
Ruark Variant	S81IN071-2(1-9)	Ru	Ruark Variant; fine-loamy, mixed, mesic Typic Ochraqualfs ^{1/}
Shoals	S81IN071-5(1-7)	Sc	Shoals ^{1/}
Steff	S80IN071-16(1-5)	Sf	Steff taxadjunct; coarse- silty, mixed, mesic Fluvaquentic Dystrochrepts ^{1/}
Wilbur	S78IN071-12(1-6)	Sf	Steff taxadjunct; coarse- silty, mixed, acid, mesic Aquic Udifluvents
Stendal Variant	S79IN071-22(1-7)	Sp	Stendal, within allowable lab error ^{1/}
Rarden Variant	S78IN071-9(1-10)	SsC2	Stonehead ^{1/}
Rarden	S78IN071-6(1-9)	SsC2	Stonehead taxadjunct
Stonelick	S79IN071-12(1-6)	St	Stonelick taxadjunct, coarse-loamy over sandy or sandy-skeletal, mixed (calcareous), mesic Typic Udifluvents ^{1/}

<u>Sampled as</u>	<u>Pedon Sample No.</u>	<u>Publication Symbol</u>	<u>Approved Series Name or Classification</u>
Stoy	S81IN071-10(1-11)	SyA	Stoy, thicker solum, less clayey argillic horizon, and more acid ^{1/}
Zanesville	S80IN071-15(1-7)	T1C2	Tilsit, deeper to fragipan, higher chroma Ap horizon, and formed partially in loess ^{1/}
Tilsit	S79IN071-10(1-7)	T1B2	Tilsit, formed partially in loess
Wellston	S79IN071-14(1-8)	GpD	Wellston taxadjunct; fine-silty, mixed, mesic Typic Hapludults ^{1/}
Whitaker	S81IN071-3(1-10)	Wk	Whitaker ^{1/}
Whitaker Variant	S81IN071-6(1-8)	Wo	Whitaker Variant; fine-loamy, mixed, mesic Aquic Hapludalfs ^{1/}
Wilbur	S80IN071-14(1-6)	Wr	Wilbur taxadjunct; fine- silty, mixed, nonacid, mesic Aquic Udifluvents
Petrolia	S80IN071-5(1-7)	Wt	Wilhite
Zipp	S80IN071-4(1-5)	Zp	Zipp taxadjunct; fine, mixed, nonacid, mesic Aeric Haplaquepts ^{1/}
Saranac Variant	S81IN071-4(1-7)	Zv	Zipp Variant; fine, mixed, nonacid, mesic Mollic Haplaquepts ^{1/}

^{1/}Representative pedon for series in Jackson County.

^{2/}Representative pedon for map unit in Jackson County.

Notes to Accompany
Classification and Correlation
of the Soils of
Jackson County, Indiana

by

Paul R. Johnson

ALVIN SERIES

The representative profile for map unit AnA has slightly more clay in argillic horizon and slightly more coarse fragments in C horizon, but these differences are within the allowable laboratory error and this unit is not considered a taxadjunct. The soils in map units BmB and BmC2 are taxadjunct because they have lower base saturation, redder hue and higher chroma in Ap horizon, higher value in C horizon, and more sand in Bt horizon than allowed for the Alvin series. These soils classify as coarse-loamy, mixed, mesic Ultic Hapludalfs.

AVONBURG SERIES

This soil does not have till within a depth of 48 inches and is formed in loess over silty glacial drift of unknown age.

AYRSHIRE SERIES

The very strongly acid reactions in Ap horizon and Bt horizon and 7 value in C horizon are outside the range in characteristics for the Ayrshire series, but this soil is not considered a taxadjunct.

BEDFORD SERIES

The lower solum contains more coarse fragments than allowed for the Bedford series, but this soil is not considered a taxadjunct.

BIRDS SERIES

The Ap horizon has 3 chroma in Ap horizon, but this soil is not considered a taxadjunct.

BLOOMFIELD SERIES

The Bloomfield series has lamellae at depths less than 36 inches and more than 3 inches of lamellae above 40 inches, but this soil is not considered to be a taxadjunct. ~~Map unit BmB, Bloomfield-Alvin complex, 1 to 6 percent slopes, is on the prime farmland list. It is about 55 percent Bloomfield soils and about 45 percent Alvin soils and produces yields acceptable for prime farmland in 7 years out of 10.~~

BOBTOWN SERIES

The Bobtown series is established by this correlation with type location in Jackson County. About 3,750 acres were mapped.

BURNSIDE SERIES

This soil is a taxadjunct to the Burnside series because it is less acid than defined for the series. It classified as loamy-skeletal, mixed, nonacid, mesic Typic Udifluvents.

CINCINNATI SERIES

This soil is formed in loess over silty glacial drift of unknown age. It is silty material to depths greater than 60 inches and has slightly less clay than allowed for the series, but is not considered to be a taxadjunct.

COOLVILLE SERIES

The Coolville soils have slightly lower base status than defined for the Coolville series, but the difference is within the allowable laboratory error.

CRIDER SERIES

This soil has very strongly acid reaction above 40 inches, but this soil is not considered a taxadjunct.

DRIFTWOOD SERIES

The Driftwood series is established by this correlation with type location in Jackson County. Total acreage is about 4,050.

FOX SERIES

This soil has less than 25 percent gravel (percent passing No. 4 sieve) and is not a source of gravel. Sand substratum is within the range of the Fox series. The Fox Variant, SCS-SOILS-5 IN0394, is therefore removed from computer storage and replaced by Fox series, sandy substratum, SCS-SOILS-5 WI0459.

GENESEE SERIES

This soil is a taxadjunct because it contains less than 15 percent fine sand and coarser. It classifies as fine-silty, mixed, nonacid, mesic Typic Udifluvents.

HAUBSTADT SERIES

This soil contains no coarse fragments in lower solum as defined for Haubstadt series, but is not considered a taxadjunct.

KURTZ SERIES

The Kurtz series is established by this correlation with type location in Jackson County. Total acreage is about 2,350.

MARKLAND SERIES

The Markland soils in map unit MmC3 have a thinner solum than defined for the series, but are not considered to be a taxadjunct.

MEDORA SERIES

The Medora series is established by this correlation with type location in Jackson County. About 2,800 acres were mapped.

NEGLEY SERIES

A hue of 2.5YR in Bt horizon is outside the range in characteristics for the Negley series, but this soil is not considered to be a taxadjunct.

OTWELL SERIES

The Otwell series in map unit OtC3 is taxadjunct to the Otwell series because the series control section contains more fine sand and coarser sand than defined for the series. This soil classifies as fine-loamy, mixed, mesic Typic Fragiudalfs.

PARKE SERIES

The soil reaction of the upper soil of the Parke soils is higher than defined for the series, but this soil is not considered to be a taxadjunct.

PEKIN SERIES

The soil reaction is lower in Ap horizon than defined for the Pekin series, but this soil is not considered to be a taxadjunct.

ROSSMOYNE SERIES

This soil has higher chroma in Ap and BC horizons, lower soil reaction in Bt and 2Btx horizons, higher value in Bt horizon, deeper depth to fragipan layer, and has silty material at depths greater than defined for Rossmoyne series, but is not considered a taxadjunct.

STEFF SERIES

This soil is a taxadjunct because it does not have a cambic horizon and has less clay in series control section than defined for Steff series. It classifies as coarse-silty, mixed, acid, mesic Aquic Udifluvents.

STENDAL SERIES

This soil contains slightly less clay in the control section than defined for the series, but this difference is within the allowable laboratory error. This soil is not considered to be a taxadjunct.

STONEHEAD SERIES

The Stonehead series is established by this correlation with type location in Jackson County. Total acreage is about 3,750.

STONELICK SERIES

This soil is a taxadjunct to the Stonelick series because it has a contrasting texture within the series control section. It classifies as coarse-loamy over sandy or sandy-skeletal, mixed (calcareous), mesic Typic Udifluvents. The series control section averages coarse-loamy, but the 32- to 50-inch layer qualifies as a contrasting texture layer.

STOY SERIES

This soil has a thicker solum, is less clayey in argillic horizon, and is more acid than defined for the Stoy series, but is not considered to be a taxadjunct.

TILSIT SERIES

This soil is deeper to the fragipan layer, has higher chroma in Ap horizon, and has formed in different parent material than defined for the Tilsit series, but this soil is not considered to be a taxadjunct.

WAKELAND SERIES

This soil has lower soil reaction in C2 horizon than defined for the series, but it is not considered to be a taxadjunct.

WELLSTON SERIES

This soil is a taxadjunct because it has lower base saturation and thicker solum than defined for the Wellston series. It classifies as fine-silty, mixed, mesic Typic Hapludults.

WHITAKER SERIES

This series has slightly higher soil reaction in the upper part of Bt horizon than defined for Whitaker series, but it is not considered to be a taxadjunct.

WILHITE SERIES

This soil has slightly higher soil reaction in the C horizon than defined for Wilhite series, but it is not considered to be a taxadjunct.

ZIPP SERIES

This soil is a taxadjunct because it has higher chroma in the upper 30 inches than defined for the Zipp series. It classifies as fine, mixed, nonacid, mesic Aeric Haplaquepts.

SOIL SURVEY JACKSON COUNTY, INDIANA

CLASSIFICATION OF THE SOILS

(An asterisk in the first column indicates a taxadjunct to the series. See notes for a description of those characteristics of this taxadjunct that are outside the range of the series)

Soil name	Family or higher taxonomic class
Alvin-----	Coarse-loamy, mixed, mesic Typic HapludalFs
Aquents-----	Mixed, mesic Aquents
Armiesburg----	Fine-silty, mixed, mesic Fluventic Hapludolls
Avonburg-----	Fine-silty, mixed, mesic Aeric FragiqualFs
Ayrshire-----	Fine-loamy, mixed, mesic Aeric OchraqualFs
Bartle-----	Fine-silty, mixed, mesic Aeric FragiqualFs
Bedford-----	Fine-silty, mixed, mesic Typic Fragiudults
Berks-----	Loamy-skeletal, mixed, mesic Typic Dystrochrepts
Birds-----	Fine-silty, mixed, nonacid, mesic Typic Fluvaquents
Bloomfield----	Sandy, mixed, mesic Psammentic HapludalFs
Bobtown-----	Fine-loamy, mixed, mesic Aquultic HapludalFs
Bonnell-----	Fine, mixed, mesic Typic HapludalFs
*Burnside-----	Loamy-skeletal, mixed, acid, mesic Typic Udifulvents
Cincinnati----	Fine-silty, mixed, mesic Typic FragiudalFs
Cobbsfork-----	Fine-silty, mixed, mesic Typic OchraqualFs
Coolville-----	Fine, mixed, mesic Aquultic HapludalFs
Crider-----	Fine-silty, mixed, mesic Typic PaleudalFs
Driftwood-----	Fine, mixed, acid, mesic Typic Fluvaquents
Dubois-----	Fine-silty, mixed, mesic Aeric FragiqualFs
Fox-----	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic HapludalFs
Frederick-----	Clayey, mixed, mesic Typic Paleudults
*Genesee-----	Fine-loamy, mixed, nonacid, mesic Typic Udifulvents
Gilpin-----	Fine-loamy, mixed, mesic Typic Hapludults
Haubstadt-----	Fine-silty, mixed, mesic Aquic FragiudalFs
Haymond-----	Coarse-silty, mixed, nonacid, mesic Typic Udifulvents
Hickory-----	Fine-loamy, mixed, mesic Typic HapludalFs
Kurtz-----	Fine-silty, mixed, mesic Typic Hapludults
Lyles-----	Coarse-loamy, mixed, mesic Typic Hapludolls
Markland-----	Fine, mixed, mesic Typic HapludalFs
McGary-----	Fine, mixed, mesic Aeric OchraqualFs
Medora-----	Fine-silty, mixed, mesic Typic Fragiudults
Negley-----	Fine-loamy, mixed, mesic Typic PaleudalFs

SOIL SURVEY JACKSON COUNTY, INDIANA

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Nineveh Variant.	Fine-loamy, mixed, mesic Typic Aradiudolls
Ockley-----	Fine-loamy, mixed, mesic Typic HapludalFs
*Otwell-----	Fine-silty, mixed, mesic Typic FragiudalFs
Parker-----	Fine-silty, mixed, mesic Ultic HapludalFs
Pekin-----	Fine-silty, mixed, mesic Aquic FragiudalFs
Peoga-----	Fine-silty, mixed, mesic Typic OchraqualFs
Piopolis-----	Fine-silty, mixed, acid, mesic Typic Fluvaquents
Rarden-----	Fine, mixed, mesic Aquultic HapludalFs
Roby Variant	Fine-loamy, mixed, mesic Aquic HapludalFs
Rossmoyne----	Fine-silty, mixed, mesic Aquic FragiudalFs
Ruark Variant	Fine-loamy, mixed, mesic Typic OchraqualFs
Shoals-----	Fine-loamy, mixed, nonacid, mesic Aeric Fluvaquents
*Steff-----	Fine-silty, mixed, mesic Fluvaquentic Dystrochrepts
Stendal-----	Fine-silty, mixed, acid, mesic Aeric Fluvaquents
Stonehead----	Fine-silty, mixed, mesic Ultic HapludalFs
*Stonelick----	Coarse-loamy, mixed (calcareous), mesic Typic Udifuvents
Stoy-----	Fine-silty, mixed, mesic Aquic HapludalFs
Tilsit-----	Fine-silty, mixed, mesic Typic FragiudalFs
Udorthents---	Loamy, mixed, mesic Udorthents
Wakeland-----	Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents
*Wellston----	Fine-silty, mixed, mesic Ultic HapludalFs
Whitaker----	Fine-loamy, mixed, mesic Aeric OchraqualFs
Whitaker Variant.	Fine-loamy, mixed, mesic Aquic HapludalFs
Wilbur-----	Coarse-silty, mixed, nonacid, mesic Aquic Udifuvents
Wilhite-----	Fine, mixed, nonacid, mesic Typic Fluvaquents
*Zibo-----	Fine, mixed, nonacid, mesic Typic HapludalFs
Zibo Variant	Fine mixed, nonacid, mesic Mollic Fluvaquents